

Converting Colors

CIELCh(40, 67.321, 6.451)

Have a look what the booklet for
CIELCh(40, 67.321, 6.451) contains.

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Color

CIELCh(40, 67.135, 6.667)

Conversions

Conversions Part 1

Format	Color
Hex	BC0055
RGB	188, 0, 85
RGB Percent	74%, 0%, 33%
CMY	0.2647, 1.0000, 0.6681
CMYK	0.00, 1.00, 0.55, 0.26
HSL	333°, 100%, 37%
HSV	333°, 100%, 74%
XYZ	22.2298, 11.2510, 9.5167
YIQ	65.9020, 84.7630, 66.2910

Conversions

Conversions Part 2

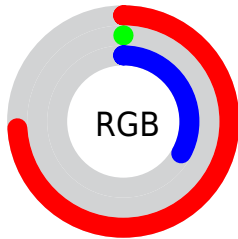
Format	Color
R_{YB}	188, 0, 85
Decimal	12320853
CIE _{Lab}	40.00, 66.68, 7.79
CIE _{LCh}	40, 67.135, 6.667
Yxy	11.2510, 0.5170, 0.2617
Android (android.graphics.Color)	4290510933 (0xFFBC0055)
YUV	65.9020, 9.4153, 107.0799
Hunter-Lab	33.5425, 59.5991, 6.6580

Details

The CIELCh color **40, 67.135, 6.667** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **67, 67.137, 151.702**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 66.985, 6.913**, and **26, 51.352, 17.052** is the 20% darker color. If you saturate the color by 10%, you get **40, 67.005, 6.737**, and if you desaturate by 10%, it is **41, 65.214, 2.451**.

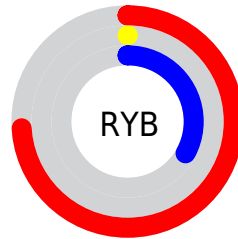
Distribution



Red (74%)

Green (0%)

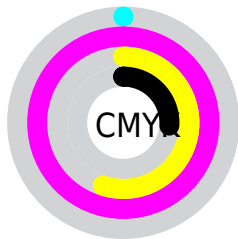
Blue (33%)



Red (74%)

Yellow (0%)

Blue (33%)

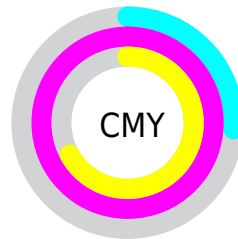


Cyan (0%)

Magenta (100%)

Yellow (55%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 67.135, 6.667 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 40, 67.135, 6.667 by changing the saturation by 10% instead.

 40, 67.135, 6.667  40, 67.135, 6.667

 100, 67.135, 6.667  30, 67.135, 6.667


 60, 67.135, 6.667  20, 67.135, 6.667


 70, 67.135, 6.667  10, 67.135, 6.667

 80, 67.135, 6.667  0, 67.135, 6.667

 90, 67.135, 6.667

 40, 67.135, 6.667  40, 67.135, 6.667

 40, 67.005, 6.737  41, 65.214, 2.451

 43, 62.067,
358.892

■ 45, 57.140,
356.082

■ 48, 50.652,
353.851

■ 52, 43.011,
352.046

■ 57, 34.652,
350.550

■ 61, 25.943,
349.280

■ 66, 17.157,
348.174

■ 71, 8.475, 347.182

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40, 67.135, 6.667



67, 67.137, 151.702

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40, 67.135, 6.667



40, 67.135, 56.667



40, 67.135, 186.667



40, 67.135, 236.667

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40, 67.005, 6.737



78, 32.225, 349.338



30, 98.342, 312.671



39, 22.010, 349.855



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 67.005, 6.737



52, 81.867, 7.620



39, 82.537, 40.344



37, 4.824, 347.120



33, 59.064, 6.057



3, 13.599, 354.441

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40, 67.005, 6.737



52, 81.867, 7.620



67, 37.992, 201.784



37, 4.824, 347.120



33, 59.064, 6.057



3, 13.599, 354.441

Previews

White Background



This preview shows how the CIELCh color 40, 67.135, 6.667 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 67.135, 6.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

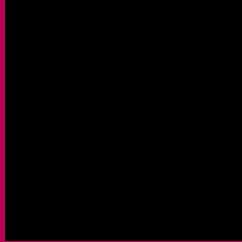
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 67.135, 6.667

Background



This preview shows how black text looks on a background with the CIELCh color 40, 67.135, 6.667.



This preview shows how white text looks on a background with the CIELCh color 40, 67.135, 6.667.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40, 67.135, 6.667

Protanopia

41, 16.467, 284.931

Deuteranopia

41, 13.422, 65.744



Tritanopia
41, 70.444, 34.659

Trichromacy



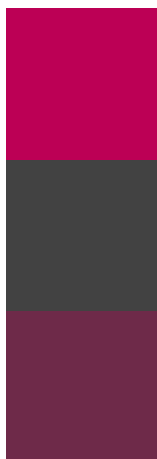
Original Color
40, 67.135, 6.667

Protanomaly
36, 37.752, 335.865

Deuteranomaly
37, 36.861, 7.125

Tritanomaly
40, 67.818, 24.788

Monochromacy



Original Color
40, 67.135, 6.667

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.890, 353.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 67.135, 6.667 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(188, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 85)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(188, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 67.135, 6.667 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 0, 85) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(188, 0, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(188, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 67.135, 6.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 85) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(188, 0,  
85) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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